

Williance Resources Inc.

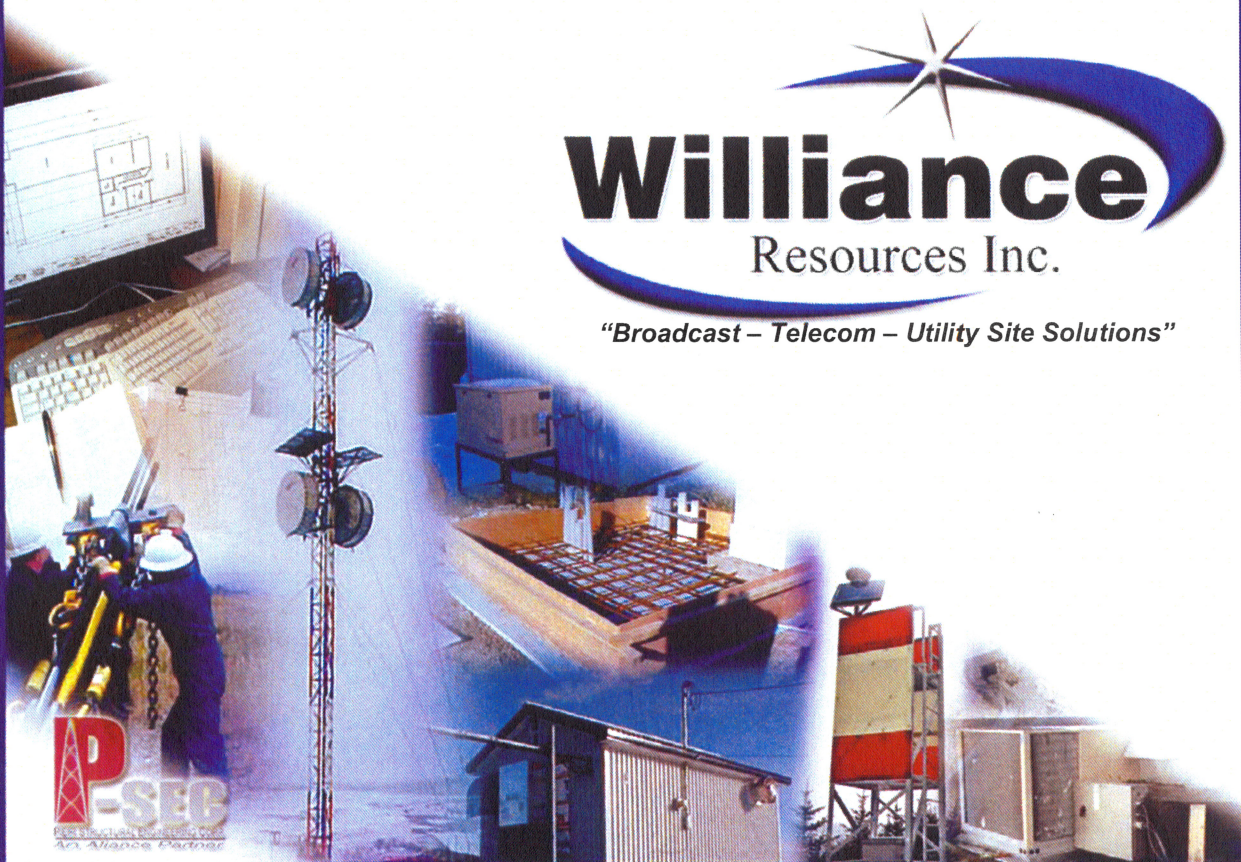
Engineering Consultants Project Managers Professional Inspections



**Fire Emergency Services (FES)
CITIG Northern Avalon Interoperability
Assessment
Exercises
March 31, 2008
Volume III of III**



"Broadcast – Telecom – Utility Site Solutions"





"Broadcast – Telecom – Utility Site Solutions"

- Consulting Engineers
- Project Management
- Commissioning
- Audit Services
- Provisioning

"Over 20 Years Experience"

March 23, 2008

Validation Exercise Format.

The following information is the result of 4 exercises that were conducted to challenge the information obtained in the study and also ensure the data presentation is clearly and effectively organized.

Group will determine the sequence of actions at the incident and will challenge the methods of communications that can be used and if RF communications is possible.

	Check Cells that are possible			
Step	RF Comm.	Cell	Pager	Telephone

Summary Observations

When an incident is smaller and/or less technically complex such as a car on fire, small boat issue, small containable fire and is very geographically limited, short in duration and where the number of responder agencies are limited, the communication are often handled adequately with face to face communications and therefore, RF issues are not challenged.

However when an incident is larger in nature, impacts on a number of communities, is in a non-metro area, when cell phone use is limited, has a large number of responder agencies which could have several units each at the incident and the incident could last for several days, the RF communications shortcomings become very immediate and obvious. This quickly translates into great difficulty for the incident commander to operate effectively.

Validation Exercises

Exercise #1 - Vehicle going over the cliff in Pouch Cove (not accessible by foot)- Vehicle lands near or in ocean. One survivor onshore and two in the water, all appear injured.

Someone who sees the accident and calls 911

First Responders:

1. RNC
2. Pouch Cove FD
3. CCG
4. Ambulance
5. Assistance from nearby towns and SJRFD
6. Other Agencies

	Action	Check Cells that are possible					Comments
		RF Comm.	Cell	Pager	Telephone	Face-to-Face	
	911 Called				✓		
	RNC deployed by 911	NR ✓			✓		Incident Commander
	Fire deployed by 911				✓		
	FD calls local			✓	✓		Volunteer
	Ambulance HSC called by 911				✓		
	On-Site:						
	RNC calls CCG	✓					
	RNC can talk to Pouch FD	✓					RNC has Pouch Freq.
	RNC to Ambulance					✓	
	Discuss need for more resources						
	RNC to CCG	✓					

Notes from exercise:

911 Called:

1. Need to obtain more info as to whether RNC vehicles all have Ch. 19. Bob Turnbull says “Yes”.
2. SJRD is only FD that has angle rescue Rescue

On-Site:

1. RNC to CCG: Via Comm. Center loop back and potentially using Ch. 19 if unit is equipped.
2. RNC can talk to SJRD via set communications by RNC.
3. Pouch Cove FD says SJRD and RNC has their frequency.
4. GSAR “Rover” vehicle – 10 years old – could be brought in as fail safe RF site command

Exercise #2 - Fire at Woods Golf Course Pro Shop, which is attached to golf cart storage facility and contains 20 carts and restaurant – Fire spreads quickly to nearby woods, threatens nearby Southlands and traps some golfers on course. They must escape through the woods towards the Goulds.

Someone at the seen calls 911

First Responders:

1. SJRFD – Mount Pearl & Brookfield Stations
2. RNC
3. Ambulances
4. Forestry Water Bomber
5. GSR – To find and aid golfers
 - May require assistance from nearby towns FDs
 - Other Agencies

	Action	Check Cells that are possible					Comments
		RF Comm.	Cell	Pager	Telephone	Face-to-Face	
	911 Called				✓		
	FD deployed by 911				✓		Incident Commander
	RNC deployed by 911				✓		
	2 agencies on scene	✓				✓	
	Call Ambulance	✓			✓		
	On-Site:						
	FD deploys water bomber	✓					With FD
	RNC, STC and NR	✓				✓	

Notes from exercise:

On-Site:

1. SJRFD goes Simplex when on site and therefore RNC can no longer talk to them as RNC goes through Duplex Repeater.
2. Single Frequency – Common site only works in small set-ups.

Exercise #3 - Major fire in the Green’s Harbour Area

1. Started in woods and moving quickly. Windy, hot summer’s day.
2. Quickly becomes multi-community incident.
3. Likely Impact on housing
4. No local 911
5. Cellular service poor to non existent

Local RCMP are first called

First Responders:

1. Local FD
2. Nearby FD other communities
3. RCMP
4. Ambulance (Carbonear Hospital)
5. Other Agencies

Action	Check Cells that are possible					Face-to-Face	Comments
	RF Comm.	Cell	Pager	Telephone			
Call local FD				✓			Incident Commander
Fire travels outside town							<u>No Cell service</u>
Local FD calls RCMP		NA		✓			
Local FD calls Forestry	✓	NA		✓			Gets word back to FD base and uses land line
On-Site:							
RCMP and FD talk on site						✓	
Forestry truck out of Whitbourne	No	NA				✓	
FD GH hails Whiteway				✓			No cell or RF
FD could deal than RCMP to notify others				✓			Drive and use land lie where phones are still in service.
Forestry to RCMP	No						
FD to RCMP	No						

Fire moving to Whiteway						
RCMP calls Municipality	✓			✓		Back to dispatch
RCMP calls FES	✓					
FES coordinates with towns				✓	✓	

Notes from exercise:

1. 911 on Cell will work anywhere but is routed to areas not necessarily knowledgeable of the area of concern and available service
2. When multi- community incident develops, coordination via RF is impossible and over all resource management becomes very difficult.

Exercise #4 - Two Vehicle accident between Old Perlican and Bay de Verde during a power outage- One vehicle catches fire and ignites nearby woods. Very Poor Cell Coverage in the area.

1. Fire is crossing TX Line.

Observer tries to call 911 on cell, no service. r Drives to get cell service / goes to store and call RCMP

First Responders:

1. RCMP
2. Ambulance
3. FD –Old Perlican & Bay de Verde
4. Others area Ambulances and FDs
5. Other Agencies

Action	Check Cells that are possible					Face-to-Face	Comments
	RF Comm.	Cell	Pager	Telephone			
Someone tries to call 911		✓					No service available
Observer Driving to get service – go to store and call RCMP				✓			
RCMP calls FD	✓			✓			Via Comm. Center
RCMP arrives on site					✓		
On-Site:							
RCMP calls for ambulance	✓			✓			Back to RCMP Comm. Center
RCMP and FD and Amb. On site					✓		
RCMP to FD					✓		
FD to Amb.	✓			✓	✓		Local
Large fire ensues – need to call forestry					✓		RCMP back to Comm. Center

Notes from exercise:

1. Exercise results in a major forest fire.
2. Fire commissioner stated that fires within Municipalities are the responsibility of the Municipalities.
3. Fire on Crown land is Forestry concern.
4. Key observation: RCMP radio system in outlying areas is critical to emergency response.

-----End Section-----